

**From:** [Caudill, Motria](#)  
**To:** [Oliver, Karen](#); [Whipple, Wayne](#)  
**Cc:** [Whitaker, Donald](#); [Lehrman, Loretta](#)  
**Subject:** RE: Your thoughts on starting up paired tube/can sampling?  
**Date:** Tuesday, March 11, 2014 11:19:00 AM  
**Attachments:** [image001.png](#)

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My QAPP will need to be updated once we agree on number of samples/locations/schedules. The existing QAPP covers the VOC canisters that were collocated with the passive tubes deployed in Granite City under the RARE/RM. I alluded to future work by saying: "After the Granite City, IL, study is complete, additional paired-sample monitoring will continue at multiple Chicago, IL and Hammond, IN sites, to be documented in a future version of this QAPP." Shouldn't be any trouble to update, assuming that the tube work can still fall under the RARE/RM or maybe another program. (?)

I don't think we determined how many tubes & canisters per week. Our target was ultimately to get ~25 paired samples; this could be done with 1 pair per week or 4 pairs per week, depending on what Karen and Wayne could handle. I think of one "pair" as one tube + one canister, but it sounds like duplicate or triplicate tubes may be desirable. We were originally planning on only having tubes analyzed at ORD and canisters at R5-CRL, but of course I'm open to it if ORD can analyze canisters.

I know ORD and CRL are all very busy, so whatever you all can offer would be super! Let me know what would be realistic. Thanks!

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**From:** Oliver, Karen  
**Sent:** Tuesday, March 11, 2014 10:06 AM  
**To:** Caudill, Motria; Whipple, Wayne  
**Cc:** Whitaker, Donald  
**Subject:** RE: Your thoughts on starting up paired tube/can sampling?

Hi Motria,

Thanks very much for the map. Here are a few questions for you since it has been awhile since we discussed this project:

- I think you have a QAPP in progress that would cover this rather than us working under the umbrella of the current Regional QAPP, is that correct?
- And I believe we were planning on three tubes and one canister per week so I wanted to confirm that as well.
- Also – just curious – do you have enough information at this point to make a decision as to which site you might like to focus on for the tube/canister comparison work?

Thanks!

Karen

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**From:** Caudill, Motria

**Sent:** Tuesday, March 11, 2014 10:57 AM  
**To:** Oliver, Karen; Whipple, Wayne  
**Subject:** RE: Your thoughts on starting up paired tube/can sampling?

Okay, thanks. FYI, here's a map of BP's four fenceline sites. The two south ones are about 1 mile apart.



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**From:** Oliver, Karen  
**Sent:** Tuesday, March 11, 2014 5:56 AM  
**To:** Caudill, Motria; Whipple, Wayne  
**Subject:** RE: Your thoughts on starting up paired tube/can sampling?

Hi Motria,

We are discussing this here and will get back to you shortly.

Thanks!

Karen

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**From:** Caudill, Motria  
**Sent:** Monday, March 10, 2014 8:35 AM  
**To:** Whipple, Wayne; Oliver, Karen  
**Subject:** Your thoughts on starting up paired tube/can sampling?

Hello esteemed chemists – Have things settled down in your respective labs such that we could talk about starting a week-to-week comparison effort of tube/can samples? I checked in with BP-Whiting (northwest Indiana) and they have their fenceline system nearly functional. In addition to multiple auto-GC stations, it turns out they are also doing open-path VOCs. So we would be doing a 4-way method comparison!

Let me know what you think might be a realistic start date for paired sampling. The environmental engineer at BP is being very cooperative and I'm hoping to get something on her calendar.

Thanks!  
Motria